

Title (en)
HYDROCARBON RECOVERY TECHNIQUES

Title (de)
KOHLENWASSERSTOFF-WIEDERGEWINNUNGSTECHNIKEN

Title (fr)
TECHNIQUES DE RÉCUPÉRATION D'HYDROCARBURES

Publication
EP 1994258 A4 20121219 (EN)

Application
EP 07752834 A 20070312

Priority
• US 2007006163 W 20070312
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• US 68406007 A 20070309

Abstract (en)
[origin: US2007209970A1] A method for extracting hydrocarbons from a vessel by displacement. The method including the displacement of a hydrocarbon source with a material of different density and recovery of the hydrocarbons from the vessel. Additionally, a method for extracting hydrocarbons from a vessel by gas displacement through chemical introduction. The method including introduction of hydrochloric acid and sodium bicarbonate into a vessel, production of carbon dioxide from the reaction of the hydrochloric acid and the sodium bicarbonate, displacement of a hydrocarbon source inside the vessel, and recovery of the hydrocarbon source from the vessel.

IPC 8 full level
E21B 43/16 (2006.01); **B01D 17/04** (2006.01); **B08B 9/08** (2006.01); **B63C 7/00** (2006.01); **E21B 37/00** (2006.01); **E21B 43/25** (2006.01)

CPC (source: EP NO US)
B01D 17/04 (2013.01 - NO); **B08B 9/08** (2013.01 - EP NO US); **B63C 7/00** (2013.01 - NO); **B63C 7/006** (2013.01 - EP US);
B67D 7/00 (2013.01 - NO)

Citation (search report)
• [X] GB 1384881 A 19750226 - CLEGG J R
• [X] WO 2004083103 A1 20040930 - ALEX PETER [CA], et al
• See references of WO 2007106421A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 2007209970 A1 20070913; US 8062510 B2 20111122; AU 2007225252 A1 20070920; AU 2007225252 B2 20110324;
BR PI0708757 A2 20110614; BR PI0708757 B1 20180130; CA 2645295 A1 20070920; CA 2645295 C 20110809; EA 017897 B1 20130430;
EA 200870345 A1 20090630; EP 1994258 A1 20081126; EP 1994258 A4 20121219; EP 1994258 B1 20161012; MX 2008011536 A 20090326;
NO 20084238 L 20081128; NO 341087 B1 20170821; WO 2007106421 A1 20070920

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EP 07752834 A 20070312; MX 2008011536 A 20070312; NO 20084238 A 20081009; US 2007006163 W 20070312